

**A FIB Short Course from the AIM Lab, NanoCenter,
University of Maryland**

**AN INTRODUCTION TO FOCUS ION BEAM (FIB)
FOR THE NEW FIB OPERATOR**

Focus Ion Beam (FIB) is an extremely useful and powerful tool in physical/materials science, engineering, biological and medical sciences research. The AIM Lab at NanoCenter will be offering a short course in FIB right after this winter break (January 2020) using our Tescan dual beam FIB/SEM system. The short course provides an introduction to the FIB for those with little or no prior experience. This course covers basic principles and knowledge of operating the FIB. In addition to lectures, there will be an emphasis on laboratory exercises that focus on instrument operation and practical applications.

- Date:** January 21, 22, 23 and 24, 2020
Lecture: 9:30 to 11:30 am.
Room: 1207 (Large Conference Room) in IREAP, ERF Build.
Laboratory: Two hours/group/day (4 days, January 21, 22, 23 and 24, 2020)
Lab: FIB facility, Room 1237E, Kim Building
Limit: Maximum enrollment is 9 (3 lab groups, 3 persons per group)
Fee: \$450 per person, \$400 per person from the same research group. Fees for non-UMD participants will be different. Please check with the AIM Lab office.
Prerequisite: Must have SEM experience or permission from instructor.

To enroll, please print and fill out the attached application form, and submit to the AIM Lab office by 12:00 pm, January 15, 2020 (Wednesday) at room 1234 or 1237E Kim Building. Students accepted into the class will be informed by e-mail by Saturday (01/18/20).

For more information regarding the FIB short course, please contact Wen-An Chiou at AIM Lab, or (301)-405-0541 or send an e-mail to wachiou@umd.edu.

Attachment: FIB Short Course Application Form

Application Form for UMD Winter (January 2020) FIB Short Course

Name: _____
 Last, First Middle Initial

Department: _____

Telephone No.: _____

E-Mail Address: _____

Advisor: _____

Payment: Check or FRS No. (6-digit): _____

Course to be attended: FIB Short Course _____

Research Topic: _____

Is (are) there any other attendee(s) from your research group?

If yes, please provide his/her Name: _____

Will you also attend SEM and/or TEM short course? _____

Signed: _____ (Student) Date: _____

Signed: _____ (Advisor) Date: _____